

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT02001	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/JP2003/008328	International filing date (day/month/year) 30 June 2003 (30.06.2003)	Priority date (day/month/year) 06 August 2002 (06.08.2002)
International Patent Classification (IPC) or national classification and IPC D02G 1/04		
Applicant YAMAUCHI CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

Date of submission of the demand 29 September 2003 (29.09.2003)	Date of completion of this report 11 June 2004 (11.06.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/008328

I. Basis of the report

1. With regard to the elements of the international application:*

- the international application as originally filed
 the description:

pages _____ 1-12 _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

- the claims:

pages _____ 2-10 _____, as originally filed
 pages _____, as amended (together with any statement under Article 19)
 pages _____, filed with the demand
 pages _____ 1 _____, filed with the letter of 22 January 2004 (22.01.2004)

- the drawings:

pages _____ 1/7-7/7 _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

- the sequence listing part of the description:

pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
 These elements were available or furnished to this Authority in the following language _____ which is:

- the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
 the language of publication of the international application (under Rule 48.3(b)).
 the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
 filed together with the international application in computer readable form.
 furnished subsequently to this Authority in written form.
 furnished subsequently to this Authority in computer readable form.
 The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- the description, pages _____
 the claims, Nos. _____
 the drawings, sheets/fig. _____

5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/08328

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-10	NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

2. Citations and explanations

Claims 1-10: Documents 1-4

Document 1 pertains to a disk for twisting having a friction ring fitted to a disk body, and describes a disk wherein a projected part such as substantially projecting part is provided in the inner periphery of the friction ring for mating with the disk body and the friction ring is replaceable.

Document 1 uses a groove with an aperture width narrower than the inner part width, and does not describe using a means for fitting the members together. Documents 2-4 also employ this sort of fitting means to fixedly secure members. This is well-known to a person skilled in the art. (See in particular Fig. 2 of document 4 and the text describing it.)

This being the case, employing the means disclosed in documents 2-4 as fixing means in the invention described in document 1 with the objective of fixedly securing the members ordinarily required in a disk could easily be conceived by a person skilled in the art, and its effect could be predicted by a person skilled in the art.

Document 1: JP, 59-10136, Y2

Document 2: US, 4218930, A

Document 3: US, 3272027, A

Document 4: Microfilm of the specification and drawings annexed to the written application of Japanese Utility Model Application No. 931/1976 (Laid-open No. 93750/1977)

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